

## What is claimed is:

- Sub A37
1. An exchanger for a tray feeder for transferring and exchanging a tray plate comprising:
- 5 first and second support frames;
- a guide support unit including a support frame installed between the first and second support frames;
- a vacuum generator provided with a side of the second support frame;
- 10 a nozzle support unit including a pitting unit for transferring a vacuum suction force by connecting it to the vacuum generator, a plurality of vacuum pad for performing a grasp of the tray plate with the vacuum suction force transferred from the pitting unit, and a
- 15 plurality of stopper capable of supporting the tray plate;
- a head block connected to a side of the nozzle support unit;
17. a guide block installed to a second belt as a
- 20 state connected to the head block, thereby capable of guiding the nozzle support unit;
- a transfer means for transferring the guide block;
- a driving means for driving the transfer means.
- 25 2. The exchanger of claim 1, wherein the transfer means comprises a linear motion guide for guiding the guide block, first and second rollers connected to first

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and second roller shafts and rotated by a belt wound,  
first and second support blocks for supporting the first  
and second shafts, a plurality of pulleys connected to  
the first roller shaft for transmitting the rotation  
5 force, and a motor for driving the plurality of rollers.

3. The exchanger of claim 1, wherein a sensor  
capable of sensing the position of the tray plate is  
installed to a side of the first support frame.

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4. The exchanger of claim 1, wherein the nozzle  
support unit is formed at the lower end portion of the  
head block and a plurality of nozzles are supported in  
the nozzle support unit and a plurality of vacuum pads  
15 for sucking one side portion of the tray plate and a  
plurality of stopper for supporting one side portion of  
the tray plate are alternately formed on the respective  
nozzles.

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